

Moskit Cruise Missiles

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About Moskit Cruise Missiles:

- It is a **supersonic anti-ship cruise missile** that has conventional and nuclear warhead capacity
- It has the fastest flying speed among all anti-ship missiles in today's world.
- It reaches Mach 3 at a high altitude and its maximum low-altitude speed is M2.2.
- It is capable of destroying a ship within a range of up to 120 kilometres.

What are cruise missiles?

- A cruise missile either **locates its target or has a preset target**.
- It navigates using a guidance system such as inertial or beyond visual range satellite GPS guidance and comprises a payload and aircraft propulsion system.
- Cruise missiles **can be launched from land, sea or air** for land attacks and anti-shipping purposes, and can travel at subsonic, supersonic and hypersonic speeds.
- They stay relatively **close to the surface of the earth**, cannot be detected easily by anti-missile systems, and are designed to carry large payloads with high precision.

What are Ballistic Missiles?

- Ballistic Missiles are launched **directly into the upper layers of the earth's atmosphere.**
 - They travel outside the atmosphere, where the warhead detaches from the missile and falls towards a predetermined target.
 - They are rocket-propelled self-guided weapons systems which can carry conventional or nuclear munitions. They can be launched from aircraft, ships and submarines, and land.
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Q1) What is the Global Positioning System?

The Global Positioning System (GPS) is a U.S.-owned utility that provides users with positioning, navigation, and timing (PNT) services.

Source: [Russia says it has test-fired missiles in the Sea of Japan](#)

Source: <https://vajiramandravi.com/current-affairs/moskit-cruise-missiles/>

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